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Professors Frank Morley (chairman), T. S. Fiske, and H. S. White, which was appointed at that meeting to make recommendations to the council as to the use of the income of this fund, has presented a report recommending that this fund shall be used to endow a prize, to be called the Frank Nelson Cole Prize in Algebra. The recommendations of this committee, which were accepted by the council at its meeting in October, 1922, follow below:

1. The fund shall accumulate until by interest and contributions it reaches the amount of one thousand dollars.

2. At the end of every five years thereafter the Council shall award from the available income not more than two hundred dollars as a prize for the best memoir offered in competition upon some question in the theory of Galois groups, or the theory of numbers, or some other part of algebra.

3. The question or subject for competitive memoirs shall be announced by the Council at least two years in advance of the date for their submission; and the details of the mode of award shall be published at the same time.

4. The prize shall be designated as the Frank Nelson Cole Prize in Algebra. At the time of each award the names of all previous recipients of the prize shall be published in the *Bulletin* of the Society, together with the name of the successful competitor and an abstract of his memoir.

5. The prize may be withheld at the end of any quinquennium if no sufficiently meritorious memoir be submitted; and in such case a double prize may be awarded in the next following quinquennium.

6. These conditions may be altered at any time by a two-thirds vote, in writing, of all members of the Council.

R. G. D. RICHARDSON,  
*Secretary.*

#### COLLOID SYMPOSIUM AT THE UNIVERSITY OF WISCONSIN

THE most important colloid symposium yet held in America will take place at the University of Wisconsin next June from the twelfth to the fifteenth. On this occasion the university will be host to a group of the leading colloid chemists of the country, who will present papers on their specialties and indulge in unusually full discussion. The university will publish the proceedings in adequate form. The

whole symposium is in honor of Dr. Thé Svedberg, of the University of Upsala, who will give colloid instruction at Madison during the entire second semester and during the summer. Among those who have already announced their intention of presenting papers are Drs. Jacques Loeb, S. E. Sheppard, R. E. Wilson, Jerome Alexander, Martin H. Fischer, J. H. Matthews, Wilder D. Bancroft, Harry N. Holmes, F. E. Bartell, Gortner, Bogue, E. B. Spear, Hugh Taylor, Weiser, Burton and J. A. Wilson. Every one interested in colloids is cordially invited to come. Time will be allowed for sports and social recreation. This symposium is strongly endorsed by the Colloid Committee of the National Research Council.

HARRY N. HOLMES,  
*Chairman Committee on Colloids*  
OBERLIN, OHIO

#### GRANTS FROM THE BACHE FUND

GRANTS from the Bache Fund of the National Academy of Sciences have been made as follows:

\$200 to Professor N. E. Wheeler, Colby College. For a study of the relationship of electrical conduction in concentrated solutions.

\$300 to Professor Gregory P. Baxter, Harvard University. For the determination of the atomic weights of arsenic, titanium and germanium.

\$600 to Dr. W. H. Taliaferro, Johns Hopkins University. For the study of the variability and inheritance of size in different species of *Trypanosoma*.

\$500 to Professor L. L. Woodruff, Yale University. For a study of the significance of endomixis and of fertilization in the life history of Infusoria.

\$250 to Professor Roger Adams, University of Illinois. For the study of the oxides of platinum, palladium and iridium as catalysts.

\$400 to Dr. Kevin Burns, Allegheny Observatory. For the determination of wave lengths of standard lines in the solar spectrum in reference to the cadmium and neon standards.

\$100 to Professor Otto F. Kampmeier, University of Illinois. For a monograph on the evolution and comparative morphology of the lymphatic system of vertebrates.

\$650 to Professor R. R. Renshaw, New York University. For a study of the basis for the

physiological activity of substitutes of the choline type.

\$400 to Professor H. I. Schlesinger, University of Chicago. For an investigation of the absorption spectra of inorganic compounds, particularly the oxides of sulphur and the compounds obtained by the interaction of certain salts with nitric oxide.

Applications for grants will next be considered in April, 1923, and should be filed, together with endorsements, with the chairman of the board, Professor Ross G. Harrison, Osborn Zoological Laboratory, Yale University, New Haven, Connecticut, on or before April 1. Blank forms of application will be sent on request.

### SCIENTIFIC NOTES AND NEWS

DR. ROBERT A. MILLIKAN, of the California Institute of Technology, Pasadena, has been awarded the 1922 Edison medal of the American Institute of Electrical Engineers, for "meritorious experimental achievement in electrical science."

OWING to a severe illness arising from a wound received during the war in France, Sir T. W. Edgeworth David has resigned his position as president of the Australian National Research Council. His place has been filled by the election of Dr. Orme Masson, professor of chemistry in the University of Melbourne. Professor David continues to serve the council as vice-president.

SIR HUMPHREY ROLLESTON has been appointed representative of the Royal College of Physicians on the British General Medical Council in succession to Sir Norman Moore.

THE diploma of doctor *honoris causa* of the University of Strasbourg has been conferred upon Sir James Frazer, author of "The Golden Bough."

IN recognition of his contributions to resuscitation from mine gases, Dr. Yandell Henderson, professor of applied physiology at Yale University, was elected an honorary member of the Coal Mining Institute of America at its meeting in Pittsburgh on December 13.

MR. GEORGE H. RHODES has resigned as as-

sistant in the department of chemistry of the Massachusetts Institute of Technology, Cambridge, Mass., to accept a position in the color laboratory of Cheney Brothers, South Manchester, Conn.

H. A. NOYES has been appointed research chemist for the State Department of Agriculture at Lansing, Michigan, having severed his connection with the Mellon Institute.

PROFESSOR S. WINOGRADSKY, at one time director of the Imperial Institute for Experimental Medicine in Petrograd, has been recently appointed as chief of a newly organized division of soil microbiology at the Pasteur Institute. This division is situated at Briecomte-Robert (Seine-et-Marne), France. Professor Winogradsky would appreciate literature on soil microbiology.

DR. LOUISE W. FARNAM, a daughter of Professor Henry W. Farnam, of Yale University, reached Changsha on September 21 and has begun her work as head of the department of pediatrics in the Hunan-Yale Hospital and Medical School.

LEAVE of absence has been granted to Dr. A. B. Stout, of the New York Botanical Garden, who will spend the period in southern California in studies of citrus fruits. He will also lecture at Pomona College.

CAPTAIN ROALD AMUNDSEN, head of a polar expedition that left Seattle in June, arrived by dog-team at Nome, Alaska, on December 14. He came from Wainwright, near Point Barrow, where he is wintering.

ROBERT T. AITKEN and John F. G. Stokes, of the Bishop Museum, have returned to Honolulu after an absence of two years devoted to anthropological studies in connection with the Bayard Dominick Expedition. Their field of work included the islands of Rapa, Rurutu, Ravaivai and Tubuai of the Austral group. On his return journey to Papeete, several islands of the Tuamotu group were visited by Mr. Stokes.

At a meeting of the committee on the C. M. Warren Fund of the American Academy of Arts and Sciences held on December 8, a grant